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**TRANSMITTAL LETTER  
INFORMATION DISCLOSURE STATEMENT**

Applicant : Stefaan De Rore  
App. No : 11/607,207  
Filed : December 1, 2006  
For : METHOD FOR ESTIMATING AND  
COMPENSATING CARRIER  
FREQUENCY OFFSET  
Examiner : Unknown  
Art Unit : 2611

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first-class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

April 20, 2007  
(Date)

John M. Carson, Reg. No. 34,303

**Mail Stop Amendment**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

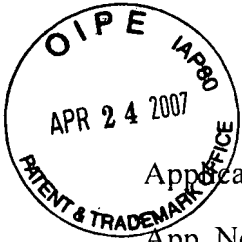
Dear Sir:

Enclosed for filing in the above-identified application are:

- (X) An Information Disclosure Statement and PTO/SB/08 equivalent listing references for consideration:
  - (X) Listing 11 references.
  - (X) Enclosing 10 references.
- (X) Return prepaid postcard.

The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 11-1410.

John M. Carson  
Registration No. 34,303  
Attorney of Record  
Customer No. 20,995  
(619) 235-8550



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Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified application is a PTO/SB/08 Equivalent listing 11 references to be considered by the Examiner. Also enclosed are 10 foreign patent references and/or non-patent literature as listed on the Information Disclosure Statement.

This Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits, and presumably no fee is required. If a first Office Action on the merits was mailed before the mailing date of this Statement, the Commissioner is authorized to charge the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account No. 11-1410.

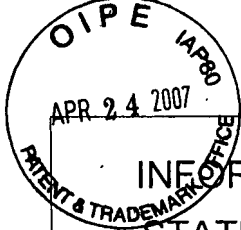
Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 4/20/07

By: 

John M. Carson  
Registration No. 34,303  
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(619) 235-8550



PTO/SB/08 Equivalent

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Multiple sheets used when necessary)

SHEET 1 OF 1

Application No.	11/607,207
Filing Date	December 1, 2006
First Named Inventor	Stefaan De Rore
Art Unit	2611
Examiner	Unknown
Attorney Docket No.	IMEC466.001AUS

## U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1.	7,158,558	01-02-2007	Petre et al.	

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>1</sup>
	2.	EP 1 357 693 A1 (EP Publication of 03447096.3)	10-29-2003			
	3.	WO 03/101064 A1 (related to EP 1506654)	12-04-2003			
	4.	EP 1 722 500 A1 (EP Publication of 05447109.9)	11-15-2006			

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>
	5.	European Search Report for Application No. 05111627.5, May 2, 2006	
	6.	Fouladifard et al., "A New Technique for Estimation and Compensation of IQ Imbalance in OFDM Receivers," Proc. Of the IEEE 8 <sup>th</sup> International Conference on Communications Systems, Vol. 1, pp. 224-228, November 2002	
	7.	Ma et al., "Analysis of IQ Imbalance on Initial Frequency Offset Estimation in Direct Down-Conversion Receivers," Wireless Communications, 2001 (SPAWC '01), 2001 IEEE Third Workshop on Signal Processing Advances in March 20-23, 2001, pages 158-161	
	8.	Tarighat et al., "On the Baseband Compensation of IQ Imbalances in OFDM Systems," Proc. (ICASSP '04) Acoustics, Speech and Signal Processing, Vol. 4, pp. 1021-1024, May, 2004	
	9.	Tubbx et al., "Joint Compensation of IQ Imbalance and Frequency Offset in OFDD Systems," IEEE Global Telecommunications Conference, IEEE, Vol. 7 of 7, pages 2365-2369, December 1, 2003	
	10.	Xing et al., "Frequency Offset and I/Q Imbalance Compensation for OFDM Direct-Conversion Receivers," IEEE International Conference on Acoustics, Speech, and Signal Processing Proceedings, IEEE, Vol. 1 of 6, pages IV708-IV711, April 6, 2003	
	11.	Yan et al., "Carrier Frequency Offset Estimation for OFDM Systems with I/Q Imbalance, Proc. The 47 <sup>th</sup> IEEE Midwest Symposium on Circuits and Systems, MWSCAS '04, Vol. 2, pp. 633-636, July, 2004	

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Examiner Signature	Date Considered
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

T<sup>1</sup> - Place a check mark in this area when an English language Translation is attached.